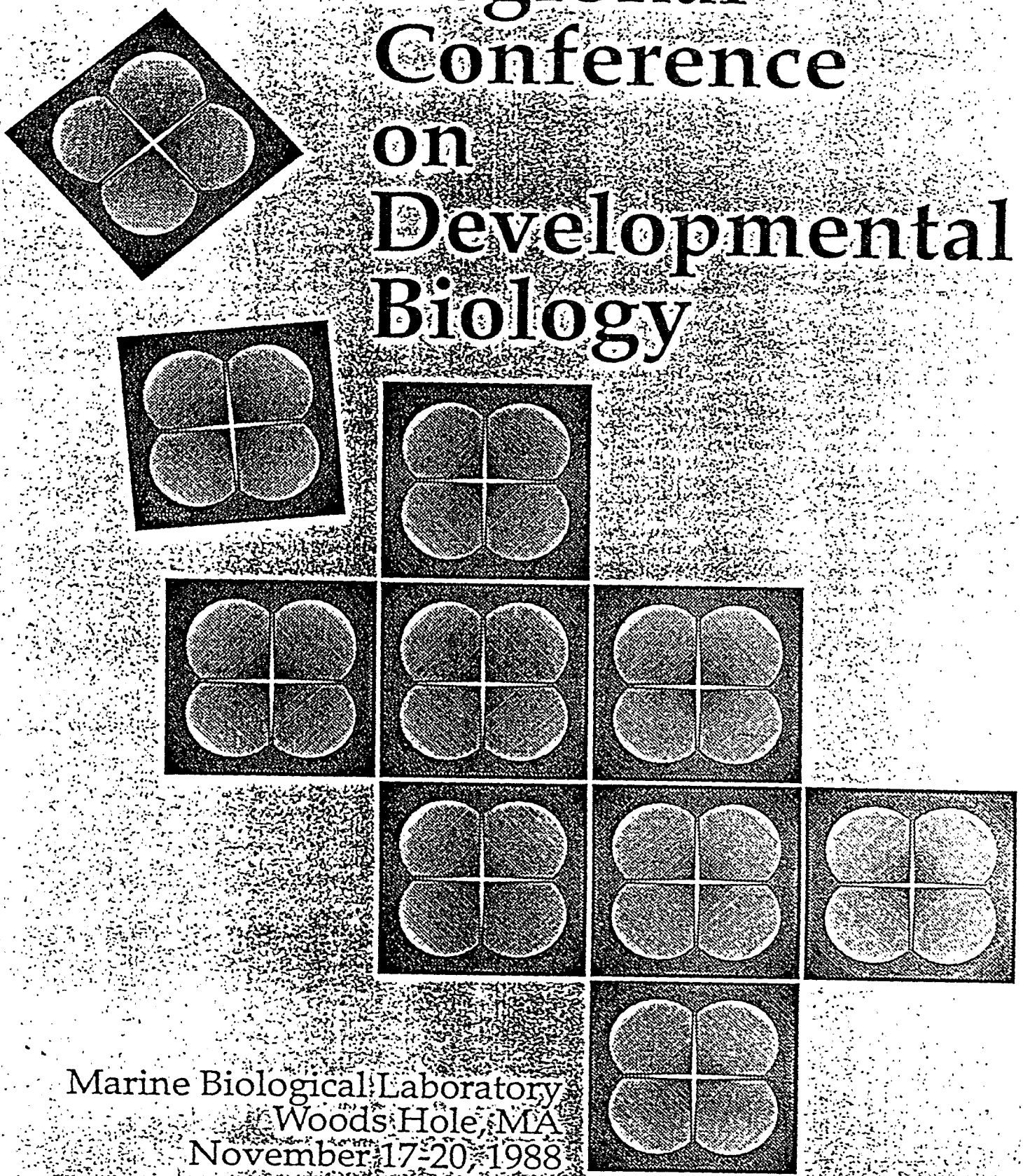
Northeast Regional Conference on Developmental Biology



Marine Biological Laboratory
Woods Hole, MA
November 17-20, 1988

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NORTHEAST REGIONAL CONFERENCE ON DEVELOPMENTAL BIOLOGY
Marine Biological Laboratory
Woods Hole Massachusetts
NOVEMBER 17-20, 1988

Program

THURSDAY, NOVEMBER 17

Noon - 5:30 p.m.	Registration, Lobby of Swope Center
5:00	Social, Meigs Room
6:00	Dinner
7:30	Welcome Announcements - Whitman Lecture Hall Marian Goldsmith and Nathan Hart, Organizers
7:45	Special Address on the Occasion of the 100th Anniversary of the Marine Biological Laboratory: "Cell rearrangement and programmed endocytosis as morphogenetic mechanisms." J.P. Trinkhaus, Yale University
9:00	Mixer

FRIDAY, NOVEMBER 18

7:30 - 8:30 a.m.	Breakfast
9:00	Session I: The Cytoskeleton and Early Development. Ed Bonder, Rutgers University, and Pat Wadsworth, University of Massachusetts, Co-chairs
9:00 - 9:05	Introductory Remarks, Ed Bonder, Rutgers University
9:05 - 9:25	"Expression of villin during brush border development." Robert Ezzell, MIT
9:30 - 9:50	"Dynamics of spectrin in sea urchin oogenesis and embryogenesis." Douglas Fishkind, Harvard Medical School
9:55 - 10:25	"Dynamics of alpha-actinin and myosin in developing muscle cells." Yu-Li Wang, Worcester Foundation for Experimental Biology
10:30 - 10:45	Coffee Break
10:45 - 11:05	"Microtubule dynamics in anaphase." Pat Wadsworth, University of Massachusetts
11:10 - 11:30	"Regulation of anaphase chromosome movement in Tradescantia stamen hair cells." Da-Hong Zhang,

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	University of Massachusetts
11:35 - 11:55	"Localization and developmental dynamics of a calsequestrin-containing ER in sea urchin eggs." John Henson, Harvard Medical School
11:55 - 12:05	"Cortical inheritance in ciliates, membrane microdomains, and prions: Models for extranucleic acid-based inheritance. Gary W. Grimes, Hofstra University
12:10 - 1:00 p.m.	Lunch
1:00	Session II: Patterning Events Controlled by Homeobox Genes. William McGinnis, Yale University, Chair
1:00 - 1:30	"Autoregulation of a Drosophila homeobox gene and cell determination." William McGinnis, Yale University
1:30 - 2:00	"The dorsal-ventral pattern of the Drosophila embryo and the zerknullt gene." Helen Doyle, Columbia University
2:00 - 2:30	"Tissue determination in Drosophila and the gutless gene." Mark Barad, Yale University
2:30 - 3:00	"Cis- and trans-regulation of a Drosphila chorion gene." Martin Shea, Harvard University
3:00 - 3:30	Coffee Break
3:30 - 4:00	"Homeobox-mediated terminal differentiation of touch receptor neurons in C. elegans." Jeffrey Way, Columbia University
4:00 - 4:30	"Spatial regulation of homeobox gene fusion in the embryonic nervous system of transgenic mice." Chris Tuggle, Columbia University
5:30	Social
6:30	Dinner
8:00	Social/Square Dance, Allan Block and friends

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SATURDAY, NOVEMBER 19

7:30 - 8:30 a.m.	Breakfast
9:00	Session III: Environmental and Physiological Effects on Plant Development. Ralph Quatrano, E.I. duPont de Nemours & Company, Chair
9:00 - 9:30	"Abscisic acid regulation of gene expression during embryo development." Ralph Quatrano, E.I. duPont de Nemours & Company
9:30 - 10:00	"A novel method of tagging developmental genes in Arabidopsis utilizing the T-DNA of Agrobacterium. Kenneth A. Feldman, E.I. duPont de Nemours & Company
10:00 - 10:30	"Patterns of leaf development in C4 plants." Timothy Nelson, Yale University
10:30 - 11:00	"The glutamine synthase gene family: Differential expression during chloroplast development, nitrogen fixation and germination." Janice Edwards, Rockefeller University
11:00 - 11:20	"Nodule development in sweet clover." Joanna Norris, University of Rhode Island
Noon - 1:00 p.m.	Lunch
1:00	Business Meeting
1:30 - 5:00	Free afternoon for discussions
4:30	Social/Poster Session
6:30	Dinner
8:00	Keynote Address: "Molecular approaches to early animal development." Doug Melton, Harvard University
9:30	Social

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SUNDAY, NOVEMBER 20

7:30 - 8:30 a.m.	Breakfast
9:00	Session IV: Regulation of Development by Hormones and Growth Factors. Bruce White, University of Connecticut Health Center, Chair
9:00 - 9:30	"Coordinate regulation of chick vitellogenin genes." John B.E. Burch, Fox Chase Cancer Center
9:30 - 10:00	"POMC gene expression, prohormone processing and secretion during rat pituitary development." John Pintar, Columbia University
10:00 - 10:30	"Growth factors in limb development." Robert A. Kosher, University of Connecticut Health Center
10:30-10:45	Coffee Break
10:45 - 11:15	"JH-like compounds and their implications for crustacean reproduction." Hans Laufer, University of Connecticut
11:15 - 11:35	"The metabolism of methyl farnesoate in Labinia emarginata. Kenneth H. Albrecht, University of Connecticut
11:35 - 12:05	"In vivo and in vitro studies on the calcium-dependent basal level expression of the rat prolactin gene." Gregory M. Preston, University of Connecticut Health Center
12:10	Lunch/Announcement of Best Student Presentation

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